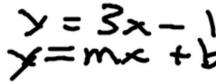
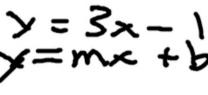
## **Unit 2 Review**

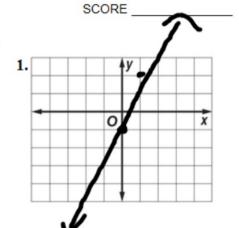
(Chapters 3-6)

**1.** Graph 3x - y = 1.

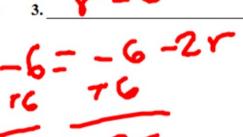


**2.** Solve 4x + 9 = 4x + 13. -4x 4x





3. Find the value of r so that the line through (2, -3) and (-4, r) has a slope of  $-\frac{1}{2}$ .





7. Write an equation of the line that passes through 
$$(-1, -7)$$
 and  $(1, 3)$ .

9. Write the slope-intercept form of an equation of the line that passes through (-2, 0) and is parallel to the graph of y = -3x - 2.



10. The table below shows the distance driven during four different trips and the



6) in tandard form

8. 3x +2y =-10

**8.** Write  $y - 4 = -\frac{3}{2}(x + 6)$  in tandard form.

24-8 = -3(x+6)

9. Write the slope-intercept form of an equation of the line that passes through (-2, 0) and is parallel to the graph of y = -3x - 2.

exists, if any, in the data. Write an equation for a line of fit for the data.

M=-3

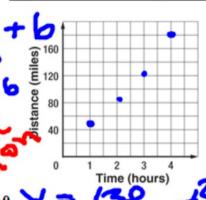
Chapter 6

10. The table below shows the distance driven during four different trips and the duration of each trip. Draw a scatter plot and determine what relationship

Time (hours) 1 2 2.5 4

**Distance (miles)** 50 85 120 180

67



lencoe Algebra 1

Solve each inequality. 12. 4x - 5 < 7x + 10 13.  $2(5a - 4) - 3(6 + 2a) \le 6$ Solve each compound inequality. 15. 13 < 4 - 3v or 2v - 14 > 8**14.** 5 < 2t + 7 < 11

12.

14. -/<t<2

15. UC-300 VOII